

Search for dark matter candidates in the channel of Mono-H($\rightarrow \gamma\gamma$) at the ATLAS experiment

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A search for a dark matter candidate in association with a Higgs boson decaying to two photons based on 36.1 fb^{-1} data collected with the ATLAS detector at the LHC at the energy of 13 TeV will be presented. The results are interpreted in in different benchmark models: a baryonic Z' model and a two-Higgs-doublet-model with a Z' boson.

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